

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/005063

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A01N65/00

/(A01N65/00, 65:00, 37:06, 37:02, 25:30, 25:04, 25:02)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, BIOSIS, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DATABASE BIOSIS [Online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; October 1997 (1997-10), VASUDEVAN PADMA ET AL: "Tagetes: A multipurpose plant" XP002323190 Database accession no. PREV199800083937 abstract & BIORESOURCE TECHNOLOGY, vol. 62, no. 1-2, October 1997 (1997-10), pages 29-35, ISSN: 0960-8524	1-7, 9-15, 17-25
Y	US 2001/055628 A1 (HSU HSINHUNG JOHN ET AL) 27 December 2001 (2001-12-27) paragraph [0004] - paragraph [0009] ----- -/--	1-7, 9-15, 17-25



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

5 April 2005

Date of mailing of the international search report

18 JUL 2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 583 774 A (THE STATE OF ISRAEL-MINISTRY OF AGRICULTURE) 23 February 1994 (1994-02-23) page 2, line 50 - page 3, line 22 page 3, line 31 - line 53 claims 1,5-7	1,5,9, 10,17-25
Y	-----	1-7, 9-15, 17-25
Y	CH 688 787 A (DIETER LINSIG; THOMAS RICHLI) 31 March 1998 (1998-03-31) column 1, line 3 - line 7 column 1, line 60 - column 2, line 6 column 2, line 21 - line 28 column 3, line 32 - line 37 column 3, line 61 - column 4, line 9 claims 1-3,5,6,10-12	1-7, 9-15, 17-25
A	----- US 2002/136789 A1 (SINGH BIKRAM ET AL) 26 September 2002 (2002-09-26) the whole document	1-25
A	----- DATABASE BIOSIS [Online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; SINGH GURDIP ET AL: "Studies on essential oils. Part 35: Chemical and biocidal investigations on Tagetes erecta leaf volatile oil." XP002323191 Database accession no. PREV200300124420 abstract & FLAVOUR AND FRAGRANCE JOURNAL, vol. 18, no. 1, January 2003 (2003-01), pages 62-65, ISSN: 0882-5734	1-25
A	----- A.GIL ET AL.: "Essential oil yield and composition of Tagetes minuta accessions from Argentina" BIOCHEMICAL SYSTEMATICS AND ECOLOGY, vol. 28, no. 3, 2000, pages 261-274, XP002323187 tables 4,5	1-25
A	----- L.G.ANGELINI ET AL.: "Essential Oils from Mediterranean Lamiaceae as Weed Germination Inhibitors" J. AGRIC. FOOD CHEM., vol. 51, 9 September 2003 (2003-09-09), pages 6158-6194, XP002323188 table 1 ----- -/--	1-25

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International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	D.DAFERA ET AL.: "The effectiveness of plant essential oils on the growth of Botrytis cinerea, Fusarium sp. and Clavibacter michiganensis subsp. michiganensis" CROP PROTECTION, vol. 22, 2003, pages 39-44, XP002323189 table 1 -----	1-25
A	WO 03/001912 A (INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE ; DE MIL, CHRISTOPHE; BL) 9 January 2003 (2003-01-09) the whole document -----	1-25
A	DATABASE WPI Section Ch, Week 199918 Derwent Publications Ltd., London, GB; Class C03, AN 1999-205420 XP002323192 & CN 1 201 594 A (WANG L) 16 December 1998 (1998-12-16) abstract -----	1-25
A	EP 1 036 499 A (SCHWERTNER, DR. HEIKO; SCHWERTNER, HOLGER) 20 September 2000 (2000-09-20) the whole document -----	1-25

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see annex

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-7, 9-25 (in part); 8 (complete)

A pesticidal composition comprising (i) tagetes oil, or components thereof which have insect repellent or deterrent properties, or a mixture of tagetes oil and a thymol containing essential oil, wherein the total amount of such oil or component present does not exceed 10%w/w; (ii) an agriculturally acceptable carrier oil and (iii) an emulsifier;

a pesticidal composition comprising (i) tagetes oil, or components thereof which have insect repellent or deterrent properties, or a mixture of tagetes oil and a thymol containing essential oil, (ii) an agriculturally acceptable carrier oil; (iii) an emulsifier; and (iv) a compound which remediates symptoms of viral infection; compositions, formulations, methods and uses as described in claims 2, and 4-25.

2. claims: 1-7, 9-25 (in part)

A pesticidal composition comprising (i) a thymol containing essential oil, or components thereof which have insect repellent or deterrent properties, wherein the total amount of such oil or component present does not exceed 10%w/w; (ii) an agriculturally acceptable carrier oil and (iii) an emulsifier;

a pesticidal composition comprising (i) a thymol containing essential oil, or components thereof which have insect repellent or deterrent properties, (ii) an agriculturally acceptable carrier oil; (iii) an emulsifier; and (iv) a compound which remediates symptoms of viral infection; compositions, formulations, methods and uses as described in claims 2, 4-7, and 9-25.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2001055628 A1	27-12-2001	NONE	
EP 0583774 A	23-02-1994	IL 102846 A AT 172598 T AU 4473093 A AU 706835 B2 AU 7542796 A CA 2104359 A1 CN 1093221 A ,C DE 69321792 D1 DE 69321792 T2 EP 0583774 A1 NZ 248434 A US 6001874 A	08-08-2001 15-11-1998 24-02-1994 24-06-1999 13-02-1997 19-02-1994 12-10-1994 03-12-1998 10-06-1999 23-02-1994 25-06-1996 14-12-1999
CH 688787 A	31-03-1998	CH 688787 A5	31-03-1998
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EP 1036499 A	20-09-2000	EP 1036499 A1	20-09-2000